



MINISTÉRIO DA EDUCAÇÃO E CIÊNCIA

INSTITUTO UNIVERSITÁRIO DE TRÁS-OS-MONTES E ALTO DOURO

MONTHLY REPORT - IUTAD - PURDUE - USAID

Fey, 1982, J.L. Ahlrichs

Research:

In February we put in the last of our planned field experiments with a lime-magnesium-boron experiment near Pinhão and a lime-magnesium experiment near Vila Seca.

Some of the Procalfer material for the lab came and I picked it up in Lisboa. A new type of flask increased the efficiency of our leaching of samples for aluminum and hydrogen determination. We are continuing to sample and analyze samples from all limed plots each month to follow the pH changes and exchangeable aluminum and hydrogen changes.

I visited Dr. *Vicária e Silva*, the mineralogist at INIA, about the clay mineralogy work he is doing on *Afonso Martins* samples for characterizing the soils of the region. He will save the separates so that we can do infrared work on those showing gibbsite and kaolinite.

Teaching:

I gave two seminars on teaching, one at IUTAD and one at ISA, illustrating and discussing the use of study and resource centers to improve teaching.

Several seminars on Remote Sensing were arranged for Prof M.F. Baumgardner but had to be cancelled when his schedule changed.

I have spent considerable time this month aiding the soil teachers in planning their teaching and in preparing classroom materials with them.

Other:

I was in Lisboa several times to attend the early February meeting of the program, to visit Jim Colom, to visit the Procalfer group, and to arrange seminars, etc.

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